

BORING LOG NO. A-21

CLIENT: **United States Army Corps of Engineers
Galveston, Texas**

PROJECT: **Contract W912HY-09-D-0021
Addicks and Barker Dams, TO-14**

BORING LOCATION: **N: 13858390.165
E: 3033659.88**

SITE: **Addicks and Barker Reservoirs
Houston, Texas**

Graphic Log	DESCRIPTION	DEPTH, FEET	SAMPLES						TESTS							
			USCS SYMBOL	TYPE	RECOVERY, IN	SPT, BLOWS/FT	CALIBRATED HAND PENETROM., TSF	TORVANE, TSF	MOISTURE CONTENT, %	DRY DENSITY, PCF	LIQUID LIMIT, %	PLASTIC LIMIT, %	PLASTICITY INDEX	MINUS #200 SIEVE, %	COMPRESSIVE STRENGTH, TSF	FAILURE STRAIN, %
Approx. Surface Elevation: 88.5 feet																
86.5	FILL: LEAN CLAY w/ SAND gray and light gray, very stiff, medium plasticity, dry	2.0	CL	ST	9		4.5		8		34	13	21	72		
82.5	LEAN CLAY tan and light gray, very stiff, medium plasticity, dry, with ferrous stains and calcareous nodules	6.0	CL	ST	15		3.0		17							
80.5	LEAN CLAY w/ SAND light gray and tan, very stiff, medium plasticity, dry, with ferrous stains and calcareous nodules	8.0	CL	ST	12		3.25		17	119	41	14	27	81		
78.5	FAT CLAY tan, light gray, and reddish brown, very stiff, high plasticity, dry, with ferrous stains and calcareous nodules	10.0	CH	ST	15		3.0		19							
Boring terminated at 10 feet.																

STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES. IN SITU, THE TRANSITION BETWEEN STRATA MAY BE MORE GRADUAL.

REMARKS: **Dry augered to 10 feet.**

WATER LEVEL OBSERVATIONS

▽	▽
▽	▽

FREE WATER WAS NOT OBSERVED DURING DRY DRILLING OPERATIONS



DATE DRILLED

6/13/2012

PROJECT NUMBER

92125125

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EXHIBIT A-24